

FIG. 1

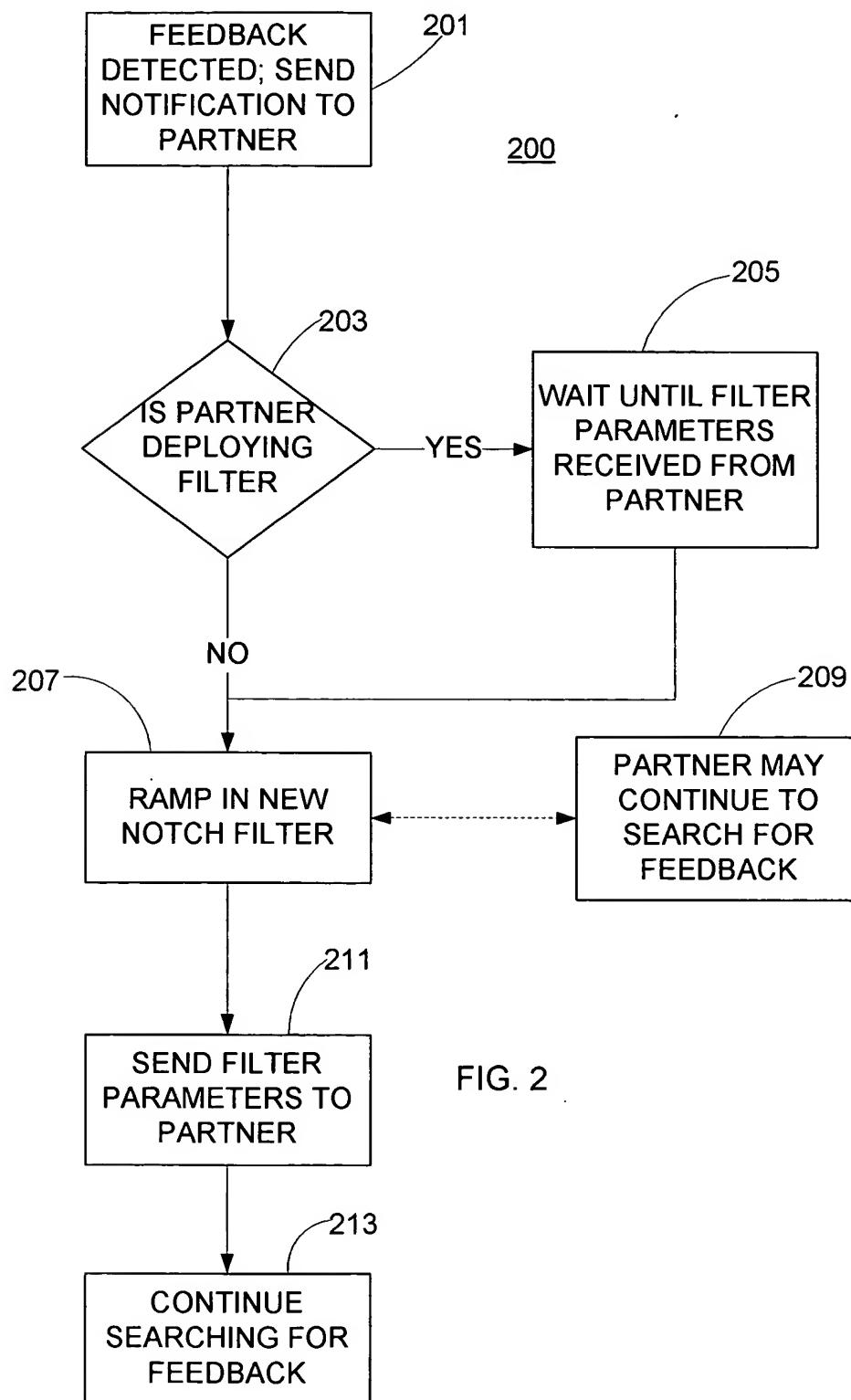


FIG. 2

323 325 327 329

EXEMPLARY EVENT SCENARIO			
TIME DURATION	EVENT	LEFT DFR	RIGHT DFR
301	1	DETECTOR RUNNING	DETECTOR RUNNING
303	2 FEEDBACK DETECTED ON RIGHT CHANNEL	DETECTOR RUNNING	SEND SEMAPHORE
305	3	RECEIVE SEMAPHORE	EITHER DEEPEN EXISTING NOTCH OR CREATE NEW FILTER
307	4	DETECTOR RUNNING	RAMP NOTCH FILTER
309	5 FEEDBACK DETECTED ON LEFT CHANNEL	SEND SEMAPHORE	CONTINUE RAMPING FILTER
311	6	WAIT	SEND FILTER PARAMETERS
313	7	CONFIGURE NOTCH FILTER ACCORDING TO RECEIVED PARAMETERS	DETECTOR RUNNING
315	8	DEPLOY NOTCH FILTER	DETECTOR RUNNING
317	9	SEND FILTER PARAMETERS	DETECTOR RUNNING
319	10		CONFIGURE NOTCH FILTER ACCORDING TO RECEIVED PARAMETERS
321	11	DETECTOR RUNNING	DETECTOR RUNNING

300

FIG. 3

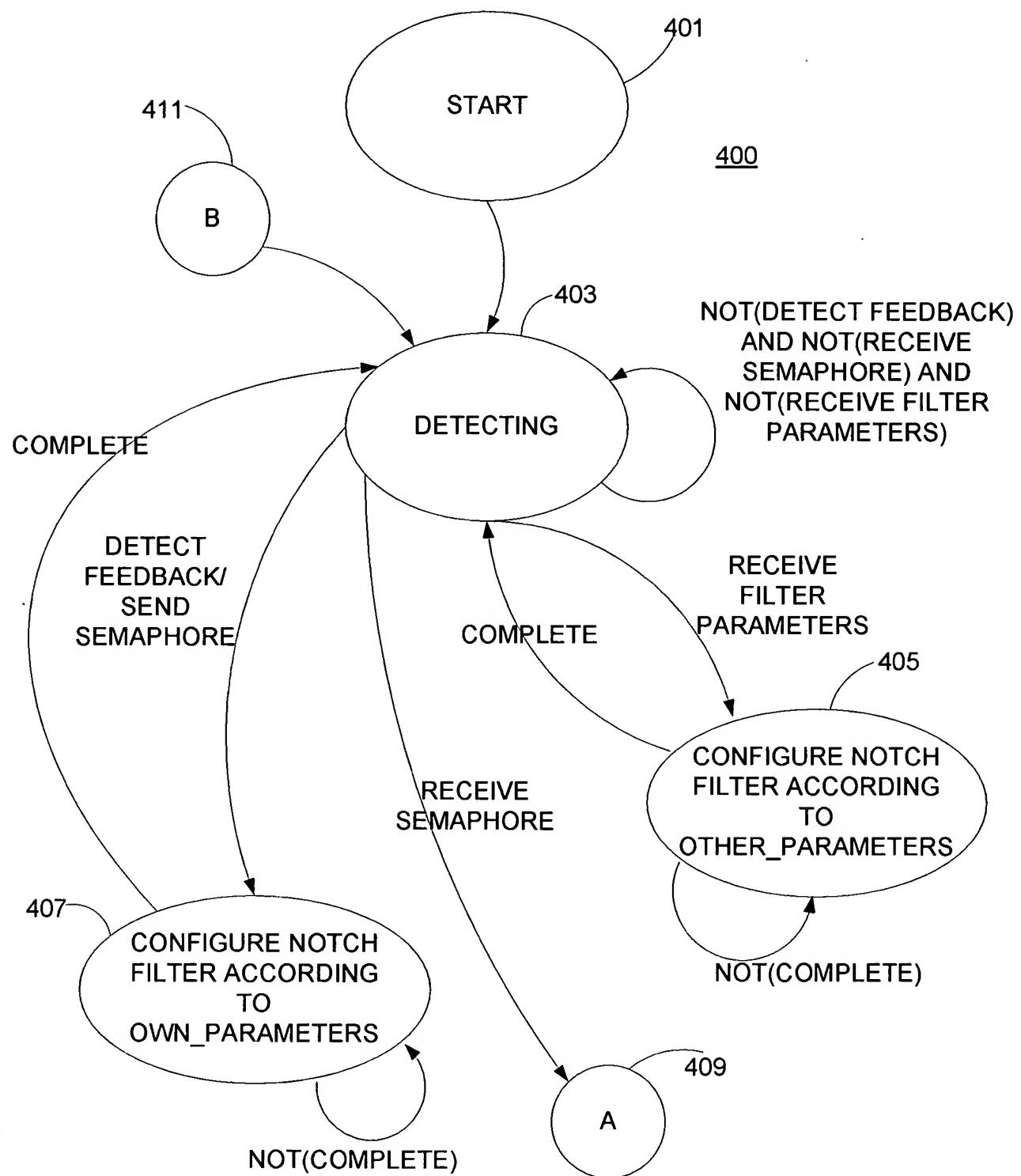


FIG. 4

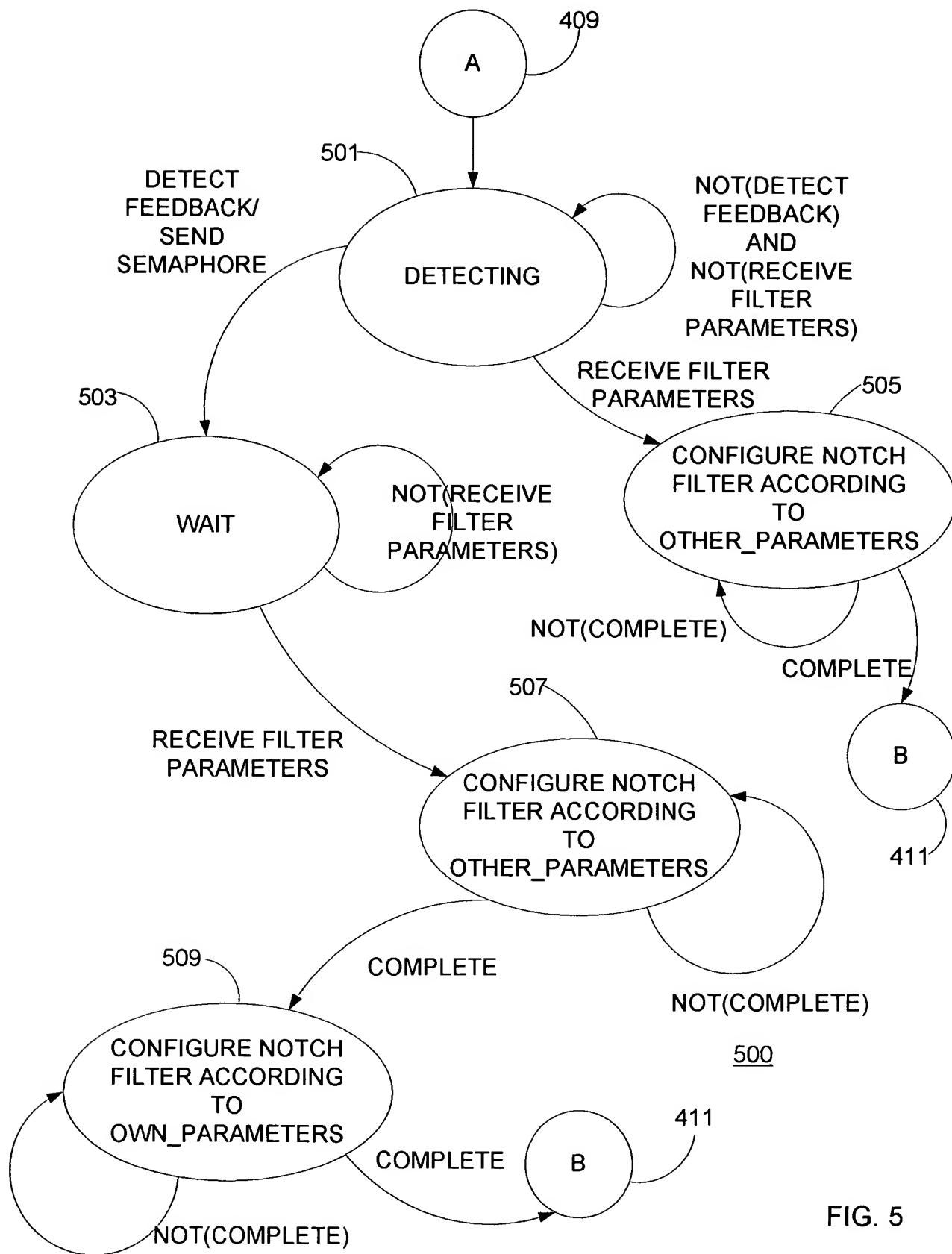


FIG. 5

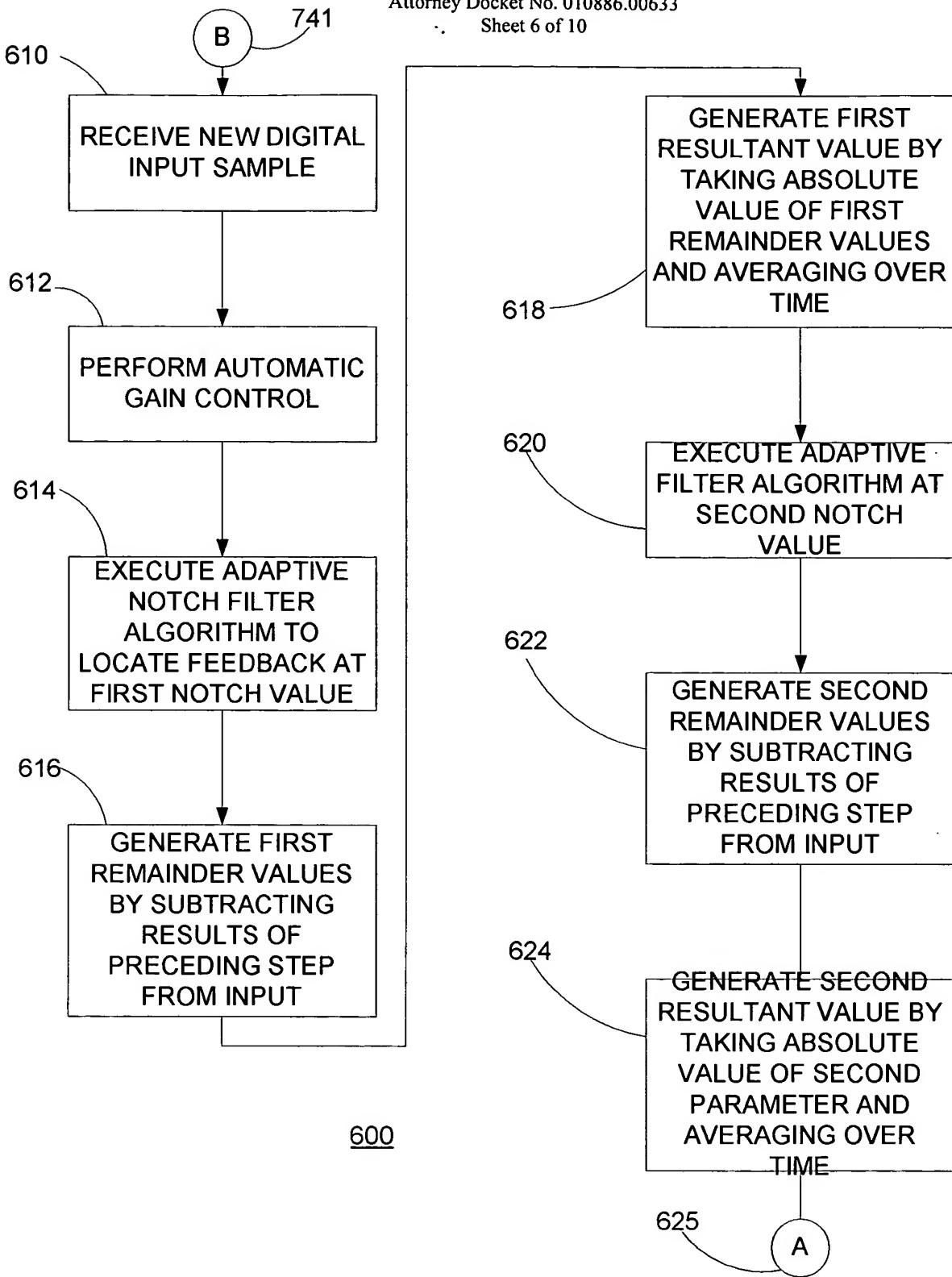
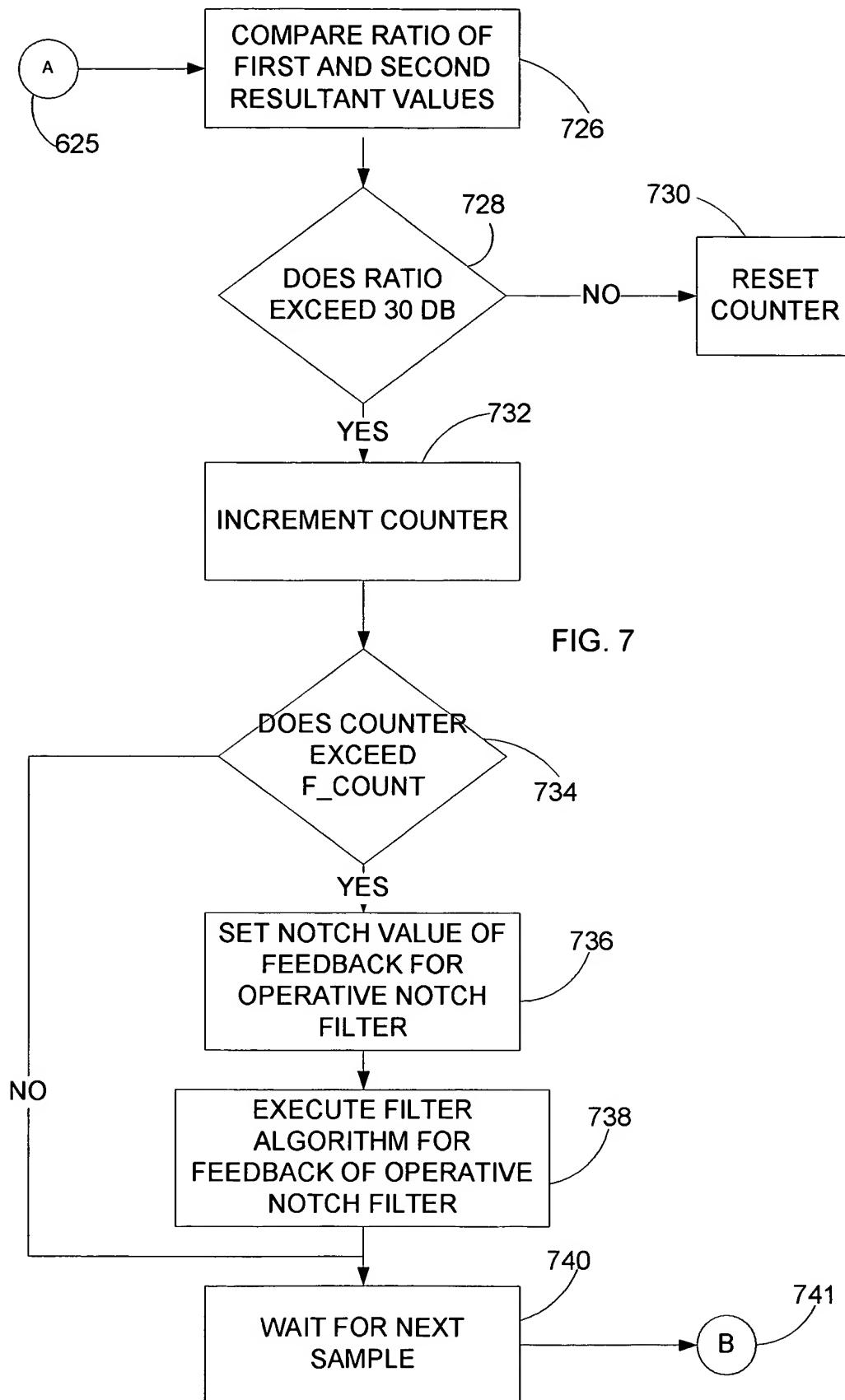


FIG. 6



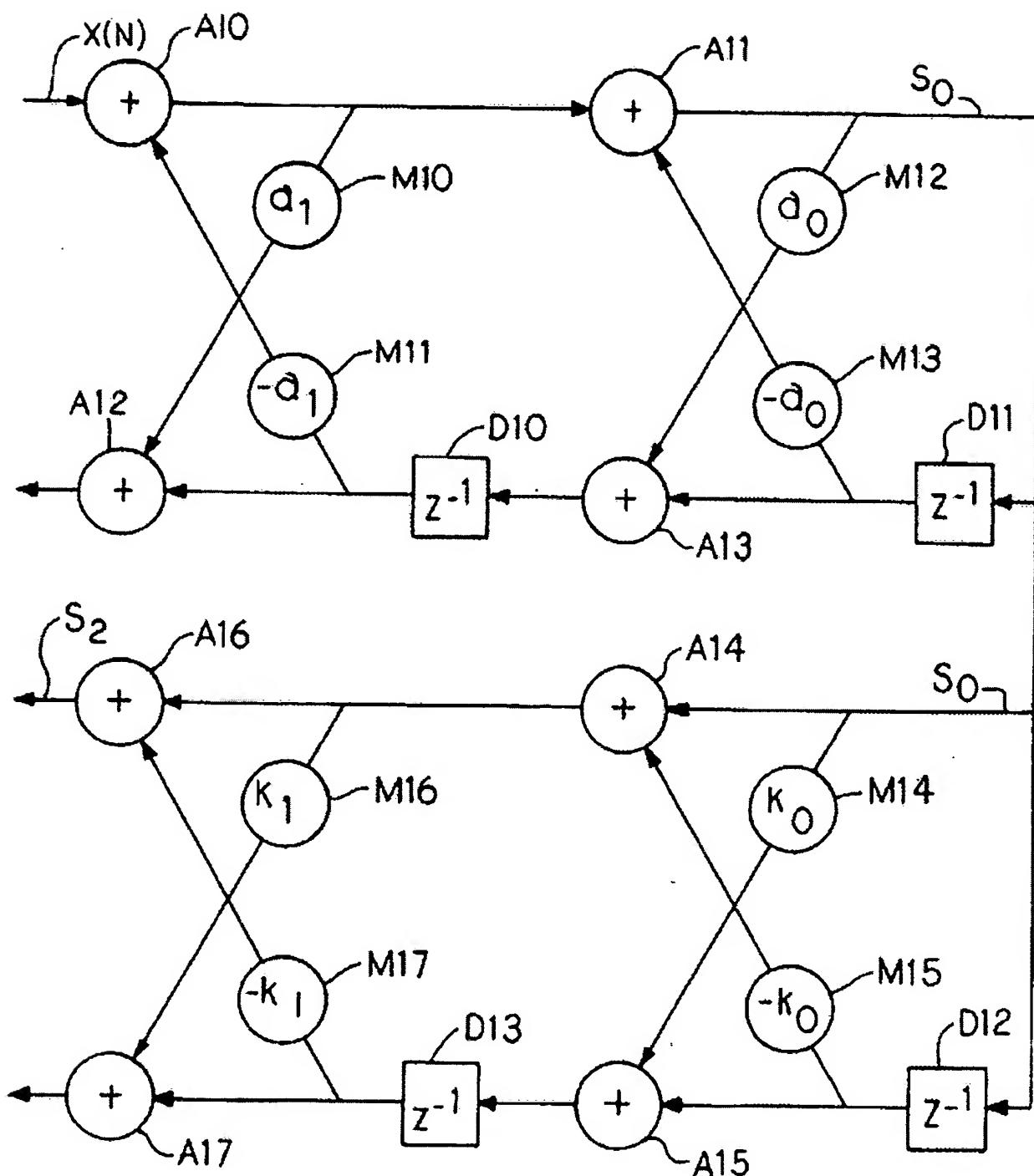
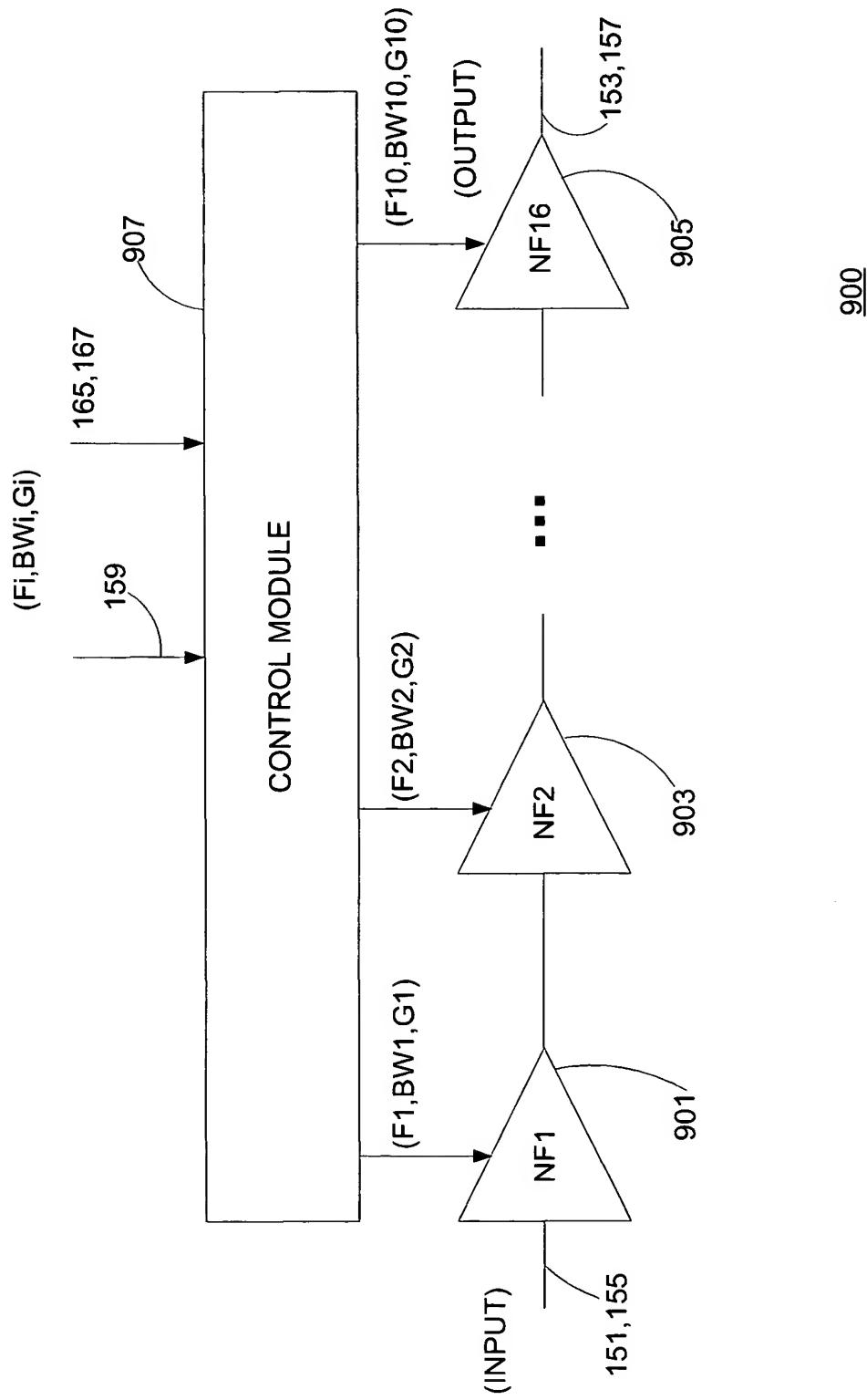


FIG. 8



1001

1003

1005

1007

1009

1011

1013

1015

1017

1019

1021

1023

1025

Freq.	Trial 1		Trial 2		Trial 3	
	Single CH	Dual CH	Single CH	Dual CH	Single CH	Dual CH
100	2.313	1.816	2.866	1.862	3.197	3.022
200	3.050	2.292	2.826	1.813	3.019	2.067
400	2.018	1.602	1.795	1.361	1.911	1.279
800	1.757	1.259	1.716	1.359	1.710	1.215
1600	1.785	1.215	1.610	1.358	1.727	1.349
3200	1.757	1.359	1.661	1.299	1.661	1.334
6400	1.713	1.223	1.566	1.260	1.656	1.158
12800	1.627	1.332	1.682	1.308	1.634	1.309
AVERAGE	2.003	1.512	1.965	1.453	2.064	1.592
AVERAGE (SINGLE CH): 2.011 seconds						
AVERAGE (DUAL CH): 1.519 seconds						

1000

FIG. 10